

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
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Application Serial Number: 10/574,860A

Source: IFWP

Date Processed by STIC: 12/1/06

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RAW SEQUENCE LISTING

DATE: 12/01/2006

PATENT APPLICATION: US/10/574,860A

TIME: 14:21:48

Input Set : A:\53466414.APP

Output Set: N:\CRF4\12012006\J574860A.raw

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3 <110> APPLICANT: KAWAI, SHIGETO
4      MIHARA, MASAHIKO
5      KOISHIHARA, YASUO
7 <120> TITLE OF INVENTION: THERAPEUTIC AGENTS FOR SOLID TUMORS
9 <130> FILE REFERENCE: 053466-0414
11 <140> CURRENT APPLICATION NUMBER: 10/574,860A
12 <141> CURRENT FILING DATE: 2006-04-06
14 <150> PRIOR APPLICATION NUMBER: PCT/JP04/015205
15 <151> PRIOR FILING DATE: 2004-10-07
17 <150> PRIOR APPLICATION NUMBER: JP 2003-352819
18 <151> PRIOR FILING DATE: 2003-10-10
20 <160> NUMBER OF SEQ ID NOS: 31
22 <170> SOFTWARE: PatentIn Ver. 3.3
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 1013
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
29 <220> FEATURE:
30 <221> NAME/KEY: CDS
31 <222> LOCATION: (23)..(562)
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35                               Met Ala Ser Thr Ser Tyr Asp Tyr Cys Arg
36                               1               5               10
38 gtg ccc atg gaa gac ggg gat aag cgc tgt aag ctt ctg ctg ggg ata 100
39 Val Pro Met Glu Asp Gly Asp Lys Arg Cys Lys Leu Leu Leu Gly Ile
40                               15               20               25
42 gga att ctg gtg ctc ctg atc atc gtg att ctg ggg gtg ccc ttg att 148
43 Gly Ile Leu Val Leu Leu Ile Ile Val Ile Leu Gly Val Pro Leu Ile
44                               30               35               40
46 atc ttc acc atc aag gcc aac agc gag gcc tgc cgg gac ggc ctt cgg 196
47 Ile Phe Thr Ile Lys Ala Asn Ser Glu Ala Cys Arg Asp Gly Leu Arg
48                               45               50               55
50 gca gtg atg gag tgt cgc aat gtc acc cat ctc ctg caa caa gag ctg 244
51 Ala Val Met Glu Cys Arg Asn Val Thr His Leu Leu Gln Gln Glu Leu
52                               60               65               70
54 acc gag gcc cag aag ggc ttt cag gat gtg gag gcc cag gcc gcc acc 292
55 Thr Glu Ala Gln Lys Gly Phe Gln Asp Val Glu Ala Gln Ala Ala Thr
56 75                               80               85               90
58 tgc aac cac act gtg atg gcc cta atg gct tcc ctg gat gca gag aag 340
59 Cys Asn His Thr Val Met Ala Leu Met Ala Ser Leu Asp Ala Glu Lys
60                               95               100              105
62 gcc caa gga caa aag aaa gtg gag gag ctt gag gga gag atc act aca 388

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63 Ala Gln Gly Gln Lys Lys Val Glu Glu Leu Glu Gly Glu Ile Thr Thr
64          110          115          120
66 tta aac cat aag ctt cag gac gcg tct gca gag gtg gag cga ctg aga 436
67 Leu Asn His Lys Leu Gln Asp Ala Ser Ala Glu Val Glu Arg Leu Arg
68          125          130          135
70 aga gaa aac cag gtc tta agc gtg aga atc gcg gac aag tac tac 484
71 Arg Glu Asn Gln Val Leu Ser Val Arg Ile Ala Asp Lys Lys Tyr Tyr
72          140          145          150
74 ccc agc tcc cag gac tcc agc tcc gct gcg gcg ccc cag ctg ctg att 532
75 Pro Ser Ser Gln Asp Ser Ser Ser Ala Ala Ala Pro Gln Leu Leu Ile
76 155          160          165          170
78 gtg ctg ctg ggc ctc agc gct ctg ctg cag tgagatccca ggaagctggc 582
79 Val Leu Leu Gly Leu Ser Ala Leu Leu Gln
80          175          180
82 acatcttgga aggtccgtcc tgctcggctt ttcgcttgaa cattcccttg atctcatcag 642
84 ttctgagcgg gtcattggggc aacacgggta gcggggagag cacggggtag ccggagaagg 702
86 gcctctggag caggtctgga ggggccatgg ggcagtcctg ggtctgggga cacagtcggg 762
88 ttgaccacagg gctgtctccc tccagagcct ccctccggac aatgagtcct ccctcttctc 822
90 tcccacactg agattgggca tgggggtgcgg tgtggggggc atgtgctgcc tgttgttctg 882
92 gggttttttt gcgggggggg ttgctttttt ctgggggtct tgagctccaa aaaaataaac 942
94 acttcctttg agggagagca caccttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaatc 1002
96 gggcgggcgc c 1013
99 <210> SEQ ID NO: 2
100 <211> LENGTH: 180
101 <212> TYPE: PRT
102 <213> ORGANISM: Homo sapiens
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106 1 5 10 15
108 Asp Lys Arg Cys Lys Leu Leu Leu Gly Ile Gly Ile Leu Val Leu Leu
109 20 25 30
111 Ile Ile Val Ile Leu Gly Val Pro Leu Ile Ile Phe Thr Ile Lys Ala
112 35 40 45
114 Asn Ser Glu Ala Cys Arg Asp Gly Leu Arg Ala Val Met Glu Cys Arg
115 50 55 60
117 Asn Val Thr His Leu Leu Gln Gln Glu Leu Thr Glu Ala Gln Lys Gly
118 65 70 75 80
120 Phe Gln Asp Val Glu Ala Gln Ala Ala Thr Cys Asn His Thr Val Met
121 85 90 95
123 Ala Leu Met Ala Ser Leu Asp Ala Glu Lys Ala Gln Gly Gln Lys Lys
124 100 105 110
126 Val Glu Glu Leu Glu Gly Glu Ile Thr Thr Leu Asn His Lys Leu Gln
127 115 120 125
129 Asp Ala Ser Ala Glu Val Glu Arg Leu Arg Arg Glu Asn Gln Val Leu
130 130 135 140
132 Ser Val Arg Ile Ala Asp Lys Lys Tyr Tyr Pro Ser Ser Gln Asp Ser
133 145 150 155 160
135 Ser Ser Ala Ala Ala Pro Gln Leu Leu Ile Val Leu Leu Gly Leu Ser
136 165 170 175

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138 Ala Leu Leu Gln
139      180
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144 <211> LENGTH: 39
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
150     forward primer
152 <400> SEQUENCE: 3
153 tttctcgaga tgagacgcta caagctcttt ctcatgttc          39
156 <210> SEQ ID NO: 4
157 <211> LENGTH: 97
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
163     forward primer
165 <400> SEQUENCE: 4
166 atgagacgct acaagctctt tctcatgttc tgtatggccg gcctgtgcct catctccttc 60
167 ctgcacttct tcaagaccct gtcctatgtc accttcc          97
170 <210> SEQ ID NO: 5
171 <211> LENGTH: 100
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
177     forward primer
179 <400> SEQUENCE: 5
180 cctgtcctat gtcaccttcc cactgagaact ggcctccctc agccctaacc tgggtgtccag 60
181 ctttttcttg aacaatgccc cggtcacgcc ccaggccagc          100
184 <210> SEQ ID NO: 6
185 <211> LENGTH: 102
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
191     forward primer
193 <400> SEQUENCE: 6
194 cggtcacgcc ccaggccagc cctgagccag gaggccctga cctgctgcgt accccactct 60
195 actcccactc gccctgtctg cagccgctgc cgcccagcaa gg          102
198 <210> SEQ ID NO: 7
199 <211> LENGTH: 93
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
205     forward primer
207 <400> SEQUENCE: 7

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208 agccgctgcc gccagcaag gcggccgagg agctccaccg ggtggacttg gtgctgccc 60
209 aggacaccac cgagtatttc gtgcgcacca agg                                     93
212 <210> SEQ ID NO: 8
213 <211> LENGTH: 98
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
219     forward primer
221 <400> SEQUENCE: 8
222 gtatttcgtg cgcaccaagg ctggaggcgt ctgcttcaaa cccggcacca agatgctgga 60
223 gagaccgcct ccgggacgac cggaggagaa gcctgagg                                     98
226 <210> SEQ ID NO: 9
227 <211> LENGTH: 83
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
233     forward primer
235 <400> SEQUENCE: 9
236 accggaggag aagcctgagg gggccaacgg atcctcggcc cggcgaccac cccggtacct 60
237 cctgagcgcc cgggagcgca cgg                                     83
240 <210> SEQ ID NO: 10
241 <211> LENGTH: 104
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
247     forward primer
249 <400> SEQUENCE: 10
250 gagegccccg gagcgcacgg ggggccgagg tgcacgacgc aagtgggtgg agtgctgtg 60
251 tctgccccga tggcacggac ccagctgcgg cgtgcccact gtgg                                     104
254 <210> SEQ ID NO: 11
255 <211> LENGTH: 84
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
261     forward primer
263 <400> SEQUENCE: 11
264 agctgcggcg tgcccactgt ggtgcagtat tccaacctgc ctaccaagga gcggctggtg 60
265 cccagggagg tgccgcgccg cgtc                                     84
268 <210> SEQ ID NO: 12
269 <211> LENGTH: 99
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
275     forward primer

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Input Set : A:\53466414.APP

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277 <400> SEQUENCE: 12
278 agggaggtgc cgcgccgct cattaatgct atcaacgtca accacgagtt cgacctgctg 60
279 gacgtgcgct tccacgagct gggcgacgtg gtggacgcc 99
282 <210> SEQ ID NO: 13
283 <211> LENGTH: 101
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
289 forward primer
291 <400> SEQUENCE: 13
292 tgggcgacgt ggtggacgcc tttgtggtgt gcgagtccaa cttcacggct tatggggagc 60
293 cgcggccgct caagttccgg gagatgctga ccaatggcac c 101
296 <210> SEQ ID NO: 14
297 <211> LENGTH: 63
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
303 forward primer
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306 agatgctgac caatggcacc ttcgagtaca tccgccacaa ggtgctctat gtcttcctgg 60
307 acc 63
310 <210> SEQ ID NO: 15
311 <211> LENGTH: 70
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
317 forward primer
319 <400> SEQUENCE: 15
320 gctctatgtc ttcttgacc actttcctcc tggaggacga caagatggat ggatcgccga 60
321 cgactacctg 70
324 <210> SEQ ID NO: 16
325 <211> LENGTH: 37
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
331 reverse primer
333 <400> SEQUENCE: 16
334 tttaagctta ctagacttcc gctcgtcca gttttcc 37
337 <210> SEQ ID NO: 17
338 <211> LENGTH: 109
339 <212> TYPE: DNA
340 <213> ORGANISM: Artificial Sequence
342 <220> FEATURE:
343 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
344 reverse primer

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VERIFICATION SUMMARY

DATE: 12/01/2006

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